	Application No.	Applicant(s)
Notice of Allowability	09/787,970	LINDHOLFER ET AL.
	Examiner	Art Unit
	Anne Holleran	1643
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is standard MPEP 1308.	this application. If not included nication will be mailed in due course. THIS
2. The allowed claim(s) is/are 1-39 (claim 39 added by exami	iner's amendment).	
3. The drawings filed on 26 September 2001 are accepted by		. *
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application	n No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file in IENT of this application.	a reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
 CORRECTED DRAWINGS (as "replacement sheets") muse (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the property of th	on's Patent Drawing Review . s Amendment / Comment or i	in the Office action of e drawings in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
	•	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./N 8), 7. ☑ Examiner's A	Mail Date Amendment/Comment Statement of Reasons for Allowance

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Chuan Gao on July 25, 2005.

The application has been amended as follows:

In the specification:

at page 11, lines 29-30, replace the phrase "if they exhibit the properties and effects

characterized in Claim 1" with the phrase "having the following properties of: binding to a T

cell; binding to at least one antigen on autologous tumor cells or allogeneic tumor cells; and

binding via Fc portions (in the case of bispecific antibodies) or via a third specificity (in the case

of trispecific antibodies) to Fc receptor-positive cells".

In the claims:

In claim 1, line 1, the word "a" was added after the word "against" and before the word

"tumor".

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Claim 6. The method according to claim 5 wherein said antibodies [are able to] bind to monocytes, [makrophages] macrophages, dendtritic cells, "natural killer" cells (NK cells) and/or activated neutrophils being Fcγ receptor I-positive cells.

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Claim 7. The method according to claim 1 wherein said antibodies [are capable of inducing] induce tumor-reactive complement-binding antibodies [and therefore of inducing], thereby inducing a humoral immune response.

Claim 8. The method according to claim 1 wherein said antibodies [are selected to] bind to the T cells via CD2, CD3, CD4, CD5, CD6, CD8, CD28, [and/or] or CD44.

Claim 9. The method according to claim 1 wherein said antibodies, [are selected so that] following their binding to the Fc receptor-positive cells, initiate or increase the expression of co-stimulatory antigens CD40, CD80, CD86, ICAM-1 and /or LFA-3 [being co-stimulatory antigens] and/or initiate or increase the secretion of [cytokins] cytokines by the Fc receptor-positive [cell is initiated or increased] cells.

Claim 10. The method according to claim 9, wherein the antibodies [are selected so that the] increase the secretion of IL-1, IL-2, IL-4, IL-6, IL-8, IL-12, INF- γ [being cytokins] and/or TNF- α [is increased].

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Claim 16. The method according to claim 1 wherein the tumor cells have been treated by irradiation or by a chemical substance.

Claim 21. The method according to claim 20 wherein the surface antigens are present in an amount of at least 100 antigens and at the most 500,000 antigens per tumor cell.

Claim 22. The method according to claim 21 wherein the antibody [is capable of activating] <u>activates</u> Fc receptor-positive cells [whereby] <u>thereby initiating or increasing</u> the expression of [cytokins] <u>cytokines</u> and/or costimulatory antigens [is initiated or increased].

The following claim was added:

Claim 39. The method of claim 1, wherein the antibodies are administered in an amount of about 1-100 μ g.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The rejection of claims 1, 4-23 and 28-36 under 35 U.S.C. 103(a) is withdrawn in view of the amendment to claim 1, limiting the interval between administration of the inactivated tumor cells and the administration of the bispecific or trispecific antibodies to 1-48 hours.

The provisional obviousness-type double-patenting rejection of claims 1-38 as being

unpatentable over claims 1-24 of copending Application No. 10/378,218 is withdrawn because

according to MPEP 822.01, if a provisional double patenting rejection is the only remaining

rejection in the case following entry of an amendment, the examiner should withdraw the

rejection and permit the application to issue as a patent. In this case, the amendment filed

6/17/2005 obviated all of the other rejections of record, and the only remaining rejection was the

provisional double patenting rejection. Therefore, the double patenting rejection is withdrawn.

Support for claim 39 is found in the originally filed claim 4.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the Office should be directed to Anne Holleran, Ph.D. whose telephone number is (571) 272-0833. Examiner Holleran can normally be reached Monday through Friday, 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms, can be reached at (571) 272-0832.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist at telephone number (703) 571-1600.

Anne L. Holleran Patent Examiner July 26, 2005

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